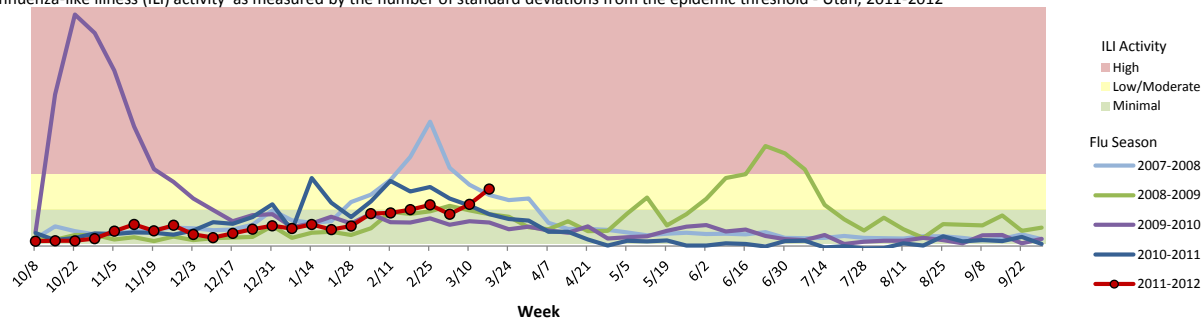


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



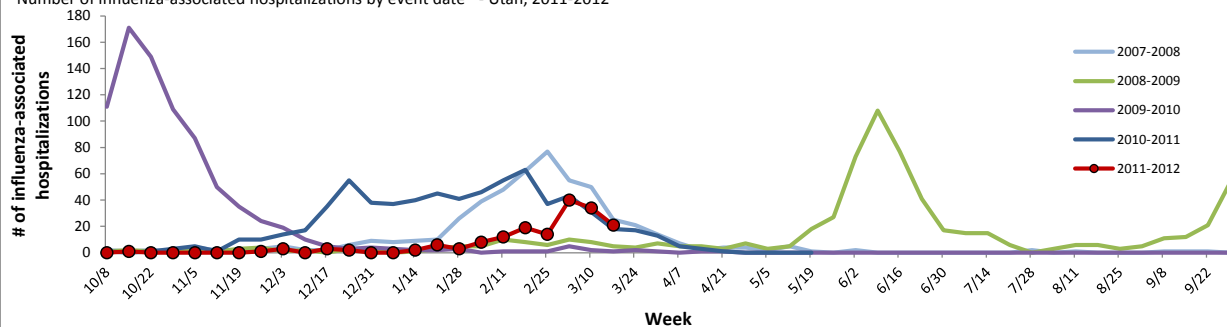
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Low/Moderate
Central	Minimal
Davis	Low/Moderate
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	93	55.0%	50.3%	0.2191
	Female	76	45.0%	49.7%	0.2191
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	124	73.4%	82.0%	0.0033
	Hispanic	24	14.2%	11.6%	0.2884
	Native Hawaiian/Pacific Islander	14	8.3%	0.7%	<0.0001
	Black/African American	2	1.2%	0.9%	0.7346
	American Indian	1	0.6%	1.1%	0.5066
	Asian	4	2.4%	1.9%	0.6327
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	45	26.6%	16.6	3
5-24 years	27	16.0%	2.9	6
25-49 years	37	21.9%	3.7	5
50-64 years	33	19.5%	8.2	3
65+ years	27	16.0%	10.9	4
Total	169	100%	5.9	21

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	4
Central	5
Davis	12
Salt Lake	106
Southeastern	1
Southwest	11
Summit	4
Tooele	1
TriCounty	0
Utah	14
Wasatch	0
Weber-Morgan	11

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	33	19.5%	124	73.4%	12	7.1%
Ventilator	11	6.5%	146	86.4%	12	7.1%
Died	3	1.8%	153	90.5%	13	7.7%
Neurological Symptoms	22	13.0%	136	80.5%	11	6.5%
Healthcare Worker	1	0.6%	133	78.7%	35	20.7%
Pregnant	8	4.7%	156	92.3%	5	3.0%
Heart Disorder	27	16.0%	129	76.3%	13	7.7%
Blood Disorder	2	1.2%	150	88.8%	17	10.1%
Kidney Disorder	11	6.5%	147	87.0%	11	6.5%
Metabolic Disorder	29	17.2%	127	75.1%	13	7.7%
Chronic Respiratory Disorder	57	33.7%	99	58.6%	13	7.7%
Immunosuppressed	11	6.5%	145	85.8%	13	7.7%
Neurological Disorder	22	13.0%	136	80.5%	11	6.5%
Seizure Disorder	7	4.1%	150	88.8%	12	7.1%
Bacterial Co-infection	4	2.4%	152	89.9%	13	7.7%
Obese**	38	39.6%	31	32.3%	27	28.1%
Morbidly Obese**	10	10.4%	59	61.5%	27	28.1%
Risk Factor***	141	83.4%	28	16.6%	0	0.0%
Vaccinated	43	25.4%	78	46.2%	48	28.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	20	95.2%	161	95.3%
Probable**	1	4.8%	8	4.7%
Total	21	100.0%	169	100.0%

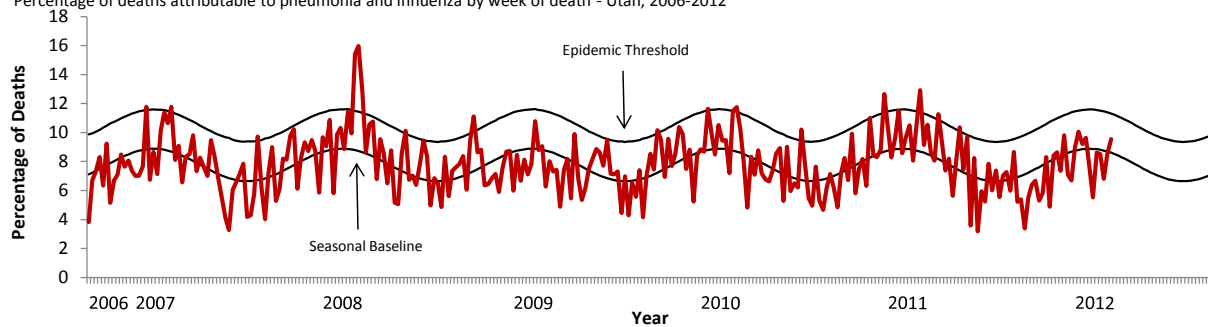
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

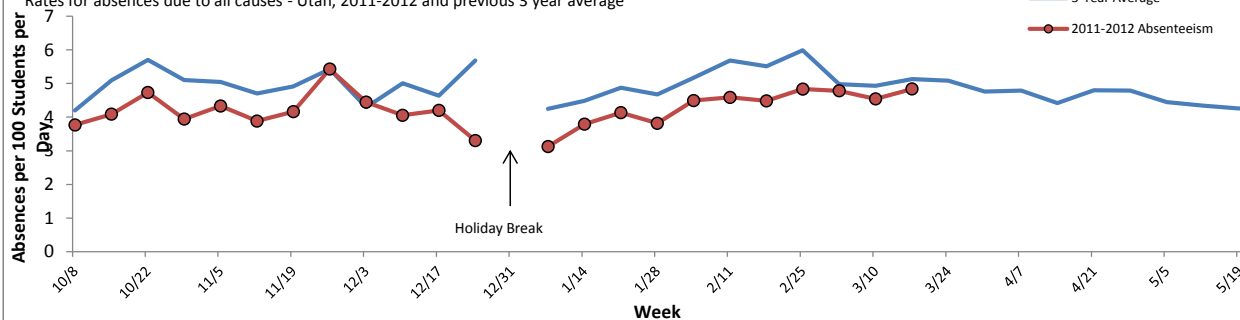
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	4.0
Central	5.9
Davis	4.7
Salt Lake	4.7
Southeast	6.1
Southwest	5.6
Summit	5.4
Tooele	6.7
TriCounty	5.7
Utah	3.2
Wasatch	4.8
Weber-Morgan	5.1
State	4.9

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	865	--	125	--
Positive specimens	532	61.5%	101	80.8%
Positive Specimens by Type/Subtype				
Influenza A	525	98.7%	100	99.0%
A (2009 H1N1)	367	69.9%	75	75.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	158	30.1%	25	25.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	7	1.3%	1	1.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

